# RECORD OF FATAL AND SERIOUS ACCIDENTS.

## [NON-MINING.]

# RECORD OF FATAL

## AT MINES WORKING IN THE STATE

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| Date of Accident | Registered Number of Accident | Name and Situation of Mine | Time of Accident (counting hours from midnight) | Number of hours worked before Accident. | Names and Number of Persons killed (*All males unless otherwise stated*) | Names and Number of Persons injured (*All males unless otherwise stated*) | Reputed Age |
| 23rd February .. | 38 | The Mysore Gold Mine, Bowringpet Taluk, Kolar District. | ... | ... | 1 Subramony ... | ... | 2 |
| 3rd June . | 120 | Do ... | ... | ... | 1 Parvathi *alias* Selvaraj (Dumb). (female) | ... | 3½ |
| 29th October . . | 233 | Do ... | 8-25 | ... | 1 Phahelvan Khan | ... | 50 |

# AND SERIOUS ACCIDENTS—(*NON-MINING*)

## OF MYSORE DURING THE YEAR 1935.

Table 13A.
Supplementary.

| 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|
| Occupation | Place of Accident | Class of Accident in terms of Table 7 | Cause of Accident | Nature of Injury |
| ... | Bathing Tank (Males) near additional Rivetter's Line. | ... | Accidental drowning ... ... | Asphyxiated. |
| ... | No. 1 P. O. Block, Washing Tank near the Jandamodu Panchayat Court. | ... | Do ... ... | Do |
| Watchman .. | M. and S. M. Railway Line, West of Punjabi Lines. | ... | While crossing the railway line, he was knocked down by a locomotive. | Body mutilated. |

## APPENDIX I.

# NOTES ON THE ADMINISTRATION OF THE WORKMEN'S COMPENSATION REGULATION, XIV OF 1928, ON THE KOLAR GOLD FIELD FOR THE YEAR 1935-36.

(By Mr. J. Appaji Gowda, B.A., (Hons.), Commissioner).

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Five fatal and seven non-fatal cases were pending disposal at the beginning of the year. Seventy-three fatal cases, 57 non-fatal cases and 83 memoranda of agreements were received during the year, making up a total of 78 fatal cases, 64 non-fatal cases, and 83 memoranda of agreements for disposal. Of these, 75 fatal, 54 non-fatal and 83 memoranda of agreement cases were disposed of, leaving a pendency of 3 fatal and 10 non-fatal cases.

There were 68 contested cases, both fatal and non-fatal, out of which 15 claims were allowed, 4 claims were dismissed and 39 claims were compromised, leaving over a pendency of 10 claims for settlement during the year 1936-37.

One appeal of the year 1934-35 was pending in the High Court and two were instituted during the year. All the three were disposed of; the decision of the Commissioner was upheld in two cases and reversed in the third.

During the year a sum of Rs. 52,344-5-0 was deposited in the Court as compensation payable to parties both in fatal and non fatal cases and adding the amount of Rs. 1,044-12-0 pending payment at the end of 1934-35, the total amount for disbursement was Rs. 53,389-1-0. Out of this a sum of Rs. 49,791-8-0 was disbursed leaving a balance of Rs. 3,597-9-0 to be carried over to the next year's account.

Under investments on behalf of minors (Rule 10 of the Rules under the Workmen's Compensation Regulation) the amount including interest received during the year was Rs. 782-13-4 and this with the amount brought forward from the previous year's account *viz.*, Rs. 8,435-0-0 totalled up to Rs. 9,217-13-4. A sum of Rs. 982-13-4 was withdrawn and paid during the year leaving a balance of Rs. 8,235 at the close of the year.

## APPENDIX II.

ACCIDENTS BY FIRE OR EXPLOSION WHICH HAVE BEEN BROUGHT TO THE NOTICE OF THE MINES AND EXPLOSIVES DEPARTMENT FROM 1ST JANUARY TO 31ST DECEMBER, 1935.

| No. | Date of accident | Nature of explosive | Place of accident | Circumstances of accident so far as ascertained | Number of persons | |
|---|---|---|---|---|---|---|
| | | | | | Killed | Injured |
| 1 | 4th Jan. | Fireworks | Basavapura village, Gundlupet Taluk. | An agriculturist was grinding a mixture of "Bellulli Pattas" when the same suddenly exploded injuring his face, right hand and foot. | ... | 1 |
| 2 | 17th Jan. | Gunpowder | Sowkalli village, Yedatore Taluk. | When a stone-cutter attempted to withdraw a charge of gunpowder from a misfired hole, an explosion occurred as a result of which he sustained injuries. | ... | 1 |
| 3 | 22nd Jan. | Fireworks | Mathigodu village, Arkalgud Taluk. | A shepherd picked up a ball of "Bellulli Pattas" in a field and tampered with it when it exploded injuring his left hand. | ... | 1 |
| 4 | 24th Jan. | Gunpowder | In a well in Yelagachundi village, Mysore Taluk. | While withdrawing an unexploded charge of black powder from a misfired hole, an explosion occurred resulting in serious injuries to two coolies, one of whom died in hospital the same day. | 1 | 1 |
| 5 | 31st Jan. | Gunpowder | Yagavapyalabandlapalli, Bagepalli Taluk. | A mason ignited a small quantity of gunpowder to test its efficacy when sparks produced from it were carried by the wind to the main stock of powder kept a few feet away and set it ablaze resulting in injuries to him, his wife, a child and another boy close by. The child died from the effects of burns a few hours later. | 1 | 3 |
| 6 | 2nd Feb. | Gunpowder | In a well at Begur village, Bangalore Taluk. | Two persons were charging gunpowder into a hole with an iron rod and hammer, when an explosion occurred injuring both of them. | ... | 2 |
| 7 | 20th Feb. | Gunpowder | In a well at Upparahalli, Chintamani Taluk. | While a cooly was ramming home a charge of gunpowder into a hole with an iron rod, an explosion occurred resulting in injuries to him. | ... | 1 |
| 8 | 26th Feb. | Gunpowder | In the limits of Kothandahalli, Kolar Taluk. | An explosives licensee was carrying over his head some quantity of gunpowder for vending in surrounding villages when a spark from a lighted "beedi" which he was smoking at the time fell on the powder and ignited it inflicting burns on his person. | ... | 1 |
| 9 | 2nd Mar. | Gunpowder | Store room of Messrs. Ganon, Dunkerley & Co., Mysore Iron and Steel Works, Bhadravati. | While issuing gunpowder a store-keeper of the firm was smoking a cigarette; a spark from it fell on the powder and ignited it; he sustained fatal burns in consequence. | 1 | ... |
| 10 | 14th Mar. | Gunpowder | Near the New Steel Plant, Mysore Iron and Steel Works, Bhadravati. | While a cooly was ramming home a charge of gunpowder into a hole with an iron rod, an explosion occurred resulting in injuries to him. | ... | 1 |
| 11 | 14th Mar. | Gunpowder | In a well outside the Railway premises at Arsikere. | A cooly tampered with a misfired hole which exploded injuring him and his co-worker. | ... | 2 |
| 12 | 18th Mar. | Fireworks | Gerukoppa village, Sorab Taluk. | A person tampered with "Bellulli Pattas" and sustained injuries in the resultant explosion. | ... | 1 |
| | | | | Carried over ... | 3 | 15 |

APPENDIX II—*contd.*

| No. | Date of accident | Nature of explosive | Place of accident | Circumstances of accident so far as ascertained | Number of persons | |
|---|---|---|---|---|---|---|
| | | | | | Killed | Injured |
| | | | | Brought forward ... | 3 | 15 |
| 13 | 22nd Mar. | Fog Signal | In the compound of Jaganmohan Palace, Mysore. | A gardener was injured while digging with pickaxe which struck a fog signal and exploded it. | ... | 1 |
| 14 | 29th Mar. | Fireworks | Hunasekatte, Shiralkoppa Range, Shikarpur Taluk. | By pressing "Bellulli Pattas" in between his fingers a person sustained injuries by the explosion caused. | ... | 1 |
| 15 | 3rd April | Gunpowder | In a well in Gandanahalli village, Krishnarajanagar Taluk. | While charging gunpowder into a hole with an iron rod an explosion occurred and two coolies sustained injuries; one of them died later in hospital. | 1 | 1 |
| 16 | 19th April | Dynamite | In a well in Nakkanahalli village, Bowringpet Taluk. | Two coolies drilled into a socket containing a remnant of the previous charge of dynamite and were injured in the explosion caused thereby. | ... | 2 |
| 17 | 25th April | Gunpowder | In a quarry, Bettahalsur, Devanhalli Taluk. | While charging a hole with gunpowder using an iron rod, the charge exploded and injured two coolies. | ... | 2 |
| 18 | 26th April | Fireworks | Seshappanahalli, Hiriyur Taluk. | A person tampered with "Bellulli Pattas" when an explosion ensued blowing off the fingers of both his hands and causing other injuries to him and another person, the former died of hæmorrhage an hour later. | 1 | 1 |
| 19 | 27th April | Gun Cartridge. | Balehittalu, Koppa Taluk | A cowherd struck a gun cartridge with a mallet and was injured in the resultant explosion. | ... | 1 |
| 20 | 30th April | Fireworks. | Hosamane, Shimoga Taluk. | During a marriage procession an iron tube filled with a mixture of potassium chlorate and arsenic sulphide was being fired, when it exploded and a broken piece of the tube struck the right leg of a person in the procession. | ... | 1 |
| 21 | 11th May | Gunpowder | In a well in Magadi Road, Bangalore City. | Through deepening a misfired hole containing the charge of gunpowder, an explosion occurred and two coolies sustained injuries. | ... | 2 |
| 22 | 13th May | Firework Composition. | Halsoor village, Tarikere Taluk. | During a marriage procession, a spark from an ignited "Bengal Light" fell on some quantity of a mixture of sulphur and potassium chlorate which was being carried by a person and exploded it causing injuries to him. | ... | 1 |
| 23 | 14th May | Gunpowder | In a well in Chikkabannihatti, Jagalur Taluk. | While a cooly was withdrawing the charge of gunpowder from a misfire with a steel jumper and hammer, it exploded causing him serious injuries. | ... | 1 |
| 24 | 17th May | Detonator | Chikka Volagamadi village, Bowringpet Taluk. | A person picked up a detonator and placed it on fire when it exploded injuring his fingers. | ... | 1 |
| 25 | 20th May | Blasting Gelatine. | In a well in Chikka Egloor village, Malur Taluk. | While clearing the debris after a blast, two coolies tampered with a misfire, which exploded and injured them. | ... | 2 |
| 26 | 25th May | Fireworks | Dodkurubarahalli, Gudibanda Sub-Taluk. | While a person was unscrewing a bottle containing a mixture of potassium chlorate and arsenic sulphide, it exploded and injured him. | ... | 1 |
| | | | | Carried over ... | 5 | 33 |

APPENDIX II—*contd.*

| No. | Date of accident | Nature of explosive | Place of accident | Circumstances of accident so far as ascertained | Number of persons | |
|---|---|---|---|---|---|---|
| | | | | | Killed | Injured |
| | | | | Brought forward ... | 5 | 33 |
| 27 | 30th May | Gunpowder | Quarry near the Sri Chamarajendra Water Works, Thippagondanahalli. | While ramming home a charge of gunpowder with an iron rod the charge exploded injuring two coolies. | ... | 2 |
| 28 | 10th July | Gun Cartridge. | Erannapalya, Yalahanka Range, Bangalore Taluk. | A person picked up a live cartridge from a manure dump and tampered with it, when it exploded and injured him. | ... | 1 |
| 29 | 13th July | Fireworks | Mattikere, Yelahanka Range, Bangalore Taluk. | While a person was preparing a mixture of potassium chlorate and arsenic sulphide, it exploded blowing off his right hand. | ... | 1 |
| 30 | 19th July | Do | Rayanakere Farm, Mysore Taluk. | A cowherd tampered with "Bellulli Pattas" which exploded and injured him. | ... | 1 |
| 31 | 21st July | Gelatine Dynamite. | Chamundi Hills, Mysore. | A cooly drilled into a socket containing some dynamite and sustained injuries in the resultant explosion. | ... | 1 |
| 32 | 28th July | Fireworks | In the compound of Roman Catholic Church, Mysore City. | While a person was unscrewing the lid of a tin containing "Bellulli Pattas" mixture an explosion occurred and injured him. | ... | 1 |
| 33 | 8th Sept. | Gelatine Dynamite. | In a well in Davangere Town. | Through drilling into or intersecting a socket containing remnant of a charge of gelatine dynamite, an explosion occurred and a cooly sustained injuries. | ... | 1 |
| 34 | 9th Sept. | Gunpowder | In a well near Chintamani Railway Station. | While a cooly was charging a hole in a well with gunpowder by means of an iron rod, an explosion occurred injuring him. | ... | 1 |
| 35 | 11th Sept. | Do | Kallugudde village, Megunda Hobli, Koppa Taluk. | Three persons were warming themselves at a fire-place, when a packet of gunpowder left hanging above it, fell into the fire and exploded causing burns on their persons. | ... | 3 |
| 36 | 4th Oct. | Do | Gargeswarapura, Magadi Taluk. | Through drilling into a hole charged with gunpowder, an explosion occurred injuring a cooly. | ... | 1 |
| 37 | 5th Oct. | Do | 1st furlong, 15th mile stone, Koratagere-Tumkur Road. | While loading blackpowder into a hole with an iron rod, the charge exploded resulting in injuries to a cooly. | ... | 1 |
| 38 | 18th Oct. | Do | In a well at Bukkambudhi, Tarikere Taluk. | The tampering with a misfire resulted in an explosion by which two coolies were injured; one of them died later in hospital. | 1 | 1 |
| 39 | 22nd Oct. | Fireworks | Chamarajapet, Bangalore City. | While a person was grinding together the ingredients of "Bellulli Pattas" an explosion occurred causing him injuries. | ... | 1 |
| 40 | 26th Oct. | Do | Palace, Upparahalli, Bangalore City. | While a person was attempting to throw down a "Bellulli Pattas" bomb it exploded in his right hand. | ... | 1 |
| 41 | 30th Oct. | Gunpowder | Belaguthi village, Honnali Taluk. | During the procession of a village deity, there was a display of fireworks. A spark from a lighted firework fell on some country gunpowder carried by a person in an open basket and ignited it. He threw away the burning basket and 11 persons in the procession sustained burns thereby, two of them died later. | 2 | 9 |
| | | | | Carried over ... | 8 | 59 |

APPENDIX II—*concld.*

| No. | Date of accident | Nature of explosive | Place of accident | Circumstances of accident so far as ascertained | Number of persons | |
|---|---|---|---|---|---|---|
| | | | | | Killed | Injured |
| | | | | Brought forward ... | 8 | 59 |
| 42 | 20th Nov. | Detonator | Ribblesdale's Block, Mysore Gold Mine, Marikuppam. | A person picked up a detonator from a waste heap, tampered with it and got injured in the resultant explosion. | ... | 1 |
| 43 | 25th Nov. | Fireworks | Chennanhalli, Kadur Taluk. | Three cowherds picked up a packet of "Bellulli Pattas" in the village, tampared with it, and got injured in the explosion. | ... | 3 |
| 44 | 3rd Dec. | Fireworks | Pandithanahalli, Tumkur Taluk. | While a person was unscrewing the lid of a bottle containing a small quantity of "Bellulli Pattas" mixture, it exploded in his hands. | ... | 1 |
| 45 | 7th Dec. | Fireworks | Dorasanipalya, Bangalore Taluk. | During a display of fireworks in the annual festival of St. Mary a metal pipe in which a rocket was fired was shattered into bits by the explosion and the flying metal pieces struck two women. | ... | 2 |
| 46 | 8th Dec. | Detonator | Dodda Mavalli, Bangalore City. | A boy picked up a detonator and threw it in the burning hearth mistaking it for a cracker when it exploded injuring him and his mother. | ... | 2 |
| 47 | 14th Dec. | Fireworks | Near Sivananda Rice Mill, Narasimharajapur | While a person was manufacturing a mixture of "Bellulli Pattas" it exploded blowing off his right forearm. | ... | 1 |
| 48 | 15th Dec. | Fireworks | Mathikere, Chikmagalur Taluk. | While a person was igniting a "*girnal*" to scare away monkeys from his garden, sparks from it fell on other girnals in his left hand and exploded them causing him serious injuries. | ... | 1 |
| 49 | 17th Dec. | Detonator | Upparahalli, Bangalore City. | By tampering with a detonator four persons sustained injuries. | ... | 4 |
| 50 | 18th Dec. | Gunpowder | Singarajapura, Channapatna Taluk. | A boy was blowing at some smouldering country gunpowder with his mouth when it burst into flame causing him burns. | ... | 1 |
| 51 | 22nd Dec. | Fireworks | Kanoor village, Koppa Taluk. | When a person was lighting a *girnal* to scare away wild animals from his field, it exploded causing traumatic conjunctivitis of his right eye. | ... | 1 |
| 52 to 64 | ... | Nitro-compound. | In Mines (Kolar Gold Fleld). | *Vide* Table 13 ... ... | 5 | 16 |
| | | | | Total ... | 13 | 92 |

SUMMARY.

| Explosive | Number of Accidents | Number of persons | |
|---|---|---|---|
| | | Killed | Injured |
| Gunpowder ... ... ... ... | 21 | 7 | 37 |
| Nitro-compound ... ... ... ... | 17 | 5 | 22 |
| Fulminate ... ... ... ... | ... | ... | ... |
| Ammunition ... ... ... ... | 7 | ... | 11 |
| Fireworks ... ... ... ... | 19 | 1 | 22 |
| Grand Total ... | 64 | 13 | 92 |

# APPENDIX III.

DEPARTMENT OF MINES AND EXPLOSIVES.

With reference to notification No. G. 9745—Geol. 69-15-17, dated 18th January 1918, publishing rules to regulate the manufacture, possession, sale, transport and importation of explosives, the following list of "Authorised Explosives" referred to in Rule 4 (3) of the Mysore Explosives Rules, is published for general information :—

## LIST OF AUTHORISED EXPLOSIVES.

The following explosives are at present authorised for importation into the Mysore State for general sale :—

### CLASS 1.—GUNPOWDER.

The term "gunpowder" means gunpowder ordinarily so called.

## GUNPOWDER.

### CLASS 2.—NITRATE MIXTURE.

The term "nitrate mixture" means any preparation, other than gunpowder ordinarily so called, formed by the mechanical mixture of a nitrate with any form of carbon or with any carbonaceous substance not possessed of explosive properties, whether sulphur be or be not added to such preparation, and whether such preparation be or be not mechanically mixed with any other non-explosive substance, and includes any explosive containing a perchlorate and not being a chlorate-mixture fulminate or nitro-compound as defined in Rule 4 of the Mysore Explosives Rules, 1917.

*Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.*

## BOBBINITE.

CARDOX COMPOSITION.

M Powder
Pranada.
Q Powder.

### CLASS 3.—NITRO-COMPOUND.

The term "nitro-compound" means any chemical compound possessed of explosive properties or capable of combining with metals to form an explosive compound, which is produced by the chemical action of nitric acid (whether mixed or not with sulphuric acid) or of a nitrate mixed with sulphuric acid upon any carbonaceous substance, whether such compound is mechanically mixed with other substances or not.

The nitro-compound class has two divisions.

*Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium or nitroglycol are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.*

### DIVISION 1.

Division 1 comprises the following explosives and any chemical compound or mechanically mixed preparation which consists either wholly or partly of nitro-glycerine or of some other liquid nitro-compound :—

A. I. Raunkol
Amazonite
Brocalite Gelatine
Detonita
Dynamite B
Gelignite K. 34 per cent, N. G.
Glycerita
L. G. Gelatine
24 per cent Ligdyn
Ardeer Gelignite
Arkite
Samsonita
Samsonite

A. 2. Monobel
Viking Powder No. 1
Viking Powder No. 2

Ballistite
Nobel Cordite

Blasting Gelatine
Cambrite

Chilworth Smokeless Powder No. 2
Nacota Powder
Cordite

Cordite, M. D.
Dupont Dynamite, 75 per cent strength
Dynamit
Dynamite
Dynamite No. 1
Red Star Dynamite, 75 per cent strength
Dynobel No. 2
Dynobel No. 3
Dynobel No. 4
Farmers' Dynamite
Gelatine Dynamite
Gelignite
Monobel No. 1
Nobelit B.
N. S. Gelatine Dynamite
N. S. Gelignite
Polar Dynobel No. 2
Quarry Monobel
Rockite
Samsonite No. 3
Stonobel
Victor Powder No. 2

*Provided that every explosive in this division shall be of such character and consistency as not to be liable to liquefaction or exudation.*

*Provided also that an explosive which is required by definition to be issued in water-proof inner packages may be exempted from such requirements by special authority when and so long as the conditions of such authority are observed.*

DIVISION 2.

Division 2 comprises the following explosives and any nitro-compound as before defined which is not comprised in Division I:—

Alumatol
Ammonal
Amberite No. 2
Baclenite
Di-nitro-phenol
Economic Smokeless Sporting Powder
E. C. Sporting Powder
Eley Smokeless Sporting Powder
Empire Powder
Ideal Powder
Light Load Smokeless
Nobel's Special Powder
Guncotton
Negro Powder No. 2
N. S. Smokeless
Picric Acid
Picric Powder
Roburite No. 4
Ruby Powder
Schultze Gunpowder
Smokeless Diamond
Tonite or Cotton Powder
Tri-nitro-toluol

CLASS 4.—CHLORATE MIXTURE.

The term "chlorate mixture" means any explosive containing a chlorate.

The chlorate mixture class has two divisions.

*Every blasting explosive in this class, in which nitrate of ammonium, nitrate of sodium or chloride of sodium are used as ingredients, shall be contained in cartridge wrappers or cases (or in five-pound inner packages) made thoroughly water-proof with melted paraffin or other suitable water-proofing material.*

DIVISION 1.

Division 1 comprises any chlorate preparation which consists partly of nitro-glycerine or of some other liquid nitro-compound.

Nil.

*Provided that every explosive in this division shall be of such character and consistency as not to be liable to liquefaction or exudation.*

DIVISION 2.

Division 2 comprises any chlorate mixture as hereinbefore defined which is not comprised in Division 1.

Nil.

CLASS 5.—FULMINATE.

The term "fulminate" means any chemical compound or mechanical mixture, whether included in the foregoing classes or not, which from its great susceptibility to detonation, is suitable for employment in percussion caps or any other appliances for developing detonation or which from its extreme sensibility to explosion, and from its great instability (that is to say, readiness to undergo decomposition from very slight exciting causes) is especially dangerous.

This class consists of two divisions.

DIVISION 1.

Division 1 comprises such compounds as the fulminates of silver and of mercury, and preparations of those substances such as are used in percussion caps, and any preparation consisting of a mixture of a chlorate with phosphorus or certain descriptions of compounds of phosphorus, with or without the addition of carbonaceous matter, and any preparation consisting of a mixture of a chlorate with sulphur, or with a sulphuret, with or without carbonaceous matter.

Nil.

DIVISION 2.

Division 2 comprises such substances as the chloride and the iodide of nitrogen, fulminating gold and silver, diazobenzol, and the nitrate of diazobenzol.

Nil.

CLASS 6.—AMMUNITION.

The term "ammunition" means any explosive of any of the foregoing classes when the same is enclosed in any case or contrivance, or is otherwise adapted or prepared so as to form a cartridge or charge for small arms, cannon or any other weapon, or for blasting or to form any safety or other fuse for blasting or for shells, or to form any tube for firing explosives or to form a percussion cap, detonator, fog-signal, shell-torpedo, war-rocket, or any other contrivance other than a firework.

The term "percussion cap" does not include a detonator.*

The term "detonator" means a capsule or case which is of such strength and construction and contains fulminate in such quantity that the explosion of one capsule or case would communicate the explosion to other like capsules or cases.

The term "safety fuse" means a fuse for blasting which burns and does not explode, and which does not contain its own means of ignition, and which is of such strength and construction and contains an explosive in such quantity that the burning of such fuse will not communicate laterally with other like fuses.

The ammunition class has three divisions.

DIVISION 1.

| | |
|---|---|
| Nobel's Safety Electric Time Fuses | Safety Cartridges |
| Percussion Caps | Safety Fuses for blasting |
| Railway Fog-Signals | Safety Electric Fuses |

DIVISION 2.

Division 2 comprises any ammunition as hereinbefore defined which does not contain its own means of ignition, and is not included in Division 1.

Cartridges for Blasting or other like purposes.
Cartridges for Small Arms which are not Safety Cartridges.
Cordeau Bickford.
Electric Fuses.
Electric Primers.
Fuse Lighters.
Instantaneous Fuse.
Tubes for firing Explosives.
Quick Match.

DIVISION 3.

Division 3 comprises any ammunition as hereinbefore defined which contains its own means of ignition, and is not included in Division 1.

| | |
|---|---|
| Cartridges for small arms which are not Safety Cartridges | Friction Tubes |
| Detonators | Nobel's Electric Delay Action Detonators |
| Electric Detonators | Percussion Primers |
| | Tubes for firing Explosives |

CLASS 7.—FIREWORK.

The term "firework" comprises firework composition and manufactured fireworks.

DIVISION 1.—FIREWORK COMPOSITION.

The term "firework composition" means any chemical compound or mechanically mixed preparation of an explosive or inflammable nature which is used for the purpose of making manufactured fireworks, and is not included in the former classes of explosives and also any star and any coloured fire composition, subject to the proviso to the definition of manufactured fireworks.

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* In consequence of the results of experiments carried out, it has been decided that a percussion cap can only be properly classed as such if it contains less than 0·6 grain of a composition of the 1st Division of the Fifth (Fulminate) Class of which not more than 25 per cent consists of fulminate of mercury or less than 0·5 grain of any other explosive of the 1st Division of the Fifth (Fulminate) Class; and it has been further decided that percussion caps shall not be classed as such when they contain anvils or have their composition unprotected by tin foil or other suitable substance as under those circumstances they are liable to explode *en masse*.

Nil.

## DIVISION 2.—MANUFACTURED FIREWORKS.

Manufactured fireworks consisting of any explosive of the classes 1, 2, 3, 4 and 6 and any firework composition when such explosive or composition is enclosed in any case or contrivance or is otherwise manufactured so as to form a squib, cracker, including Chinese crackers, toy-cap or amorce, serpent, rocket (other than a war-rocket), maroon, lance, wheel, Chinese fire, Roman candle, or other article specially adapted for the production of pyrotechnic effects, or pyrotechnic signals or sound signals.

Provided that a substantially constructed and hermetically closed metal case, containing not more than one pound of coloured fire composition of such a nature as not to be liable to spontaneous ignition shall be deemed to be a "manufactured firework" and not a "firework composition."

Aluminium Torches
Electric Sparklers
Magnesium Torches
Amorces
Chinese Crackers
Light Signals
Manufactured Fireworks
Pyrotechnic Matches
Rockets
Sparklers

C. E. SURYANARAYANA RAU,

*Chief Inspector of Mines and Explosives in Mysore.*

## APPENDIX IV.

BRIEF REPORT ON THE WORKING OF KOLAR GOLD FIELD POLICE FOR THE OFFICIAL YEAR 1935-36.

(By Mr. C. I. Machia, B.A., Special Superintendent of Police, Kolar Gold Field).

*Strength of the Force.*—There was no change in the strength of the force during the year, *viz.*, one Special Superintendent of Police, 48 officers and 270 men.

*Cost of the Force.*—The cost of the force during the year under report was Rs. 92,530-3-0 as against Rs. 91,873-15-0 in the previous year. Exclusive of this expenditure, a sum of Rs. 9,599-8-0 was spent under contingencies, travelling allowance, dieting and moving charges of undertrial prisoners and other heads as against Rs. 10,729-3-5 in the year previous.

*Crime.*—Five hundred and ninty-two cognizable cases were reported during the year as against 513 last year, showing an increase of 79 cases.

*Property Lost and Recovered.*—Property of the value of Rs. 9,016--2-0 was lost during the year as against Rs. 17,018-8-10 during 1934-35. The percentage of the value of property recovered to that lost was 41·51 per cent as against 44·12 per cent in the year previous.

*Staff of the Detective Department.*—There was no change in the detective staff of one Inspector, one Sub-Inspector, one Jamedar, four Daffedars and four Constables till the end of March 1936, when one Daffedar was retrenched and a Clerk on a salary of Rs. 30—3—45 was appointed to look after the clerical work of the Detective Inspector's Office. The cost of maintenance of this Department is being borne by Messrs. John Taylor & Sons' Committee.

*Summary of work turned out by the Detective Department.*—Thirty cases were detected by the detective staff, of which 23 ended in conviction, three in acquittal or discharge, one was struck off as false, and three were pending trial at the end of the year before the Magistrate.

*General.*—The cordial co-operation between the Watch and Ward Establishment and the Kolar Gold Field Police continued during the year under report.

## APPENDIX V.

EXTRACTS FROM THE ADMINISTRATION REPORT OF THE KOLAR GOLD FIELD SANITARY BOARD FOR THE YEAR 1935-36.

(By Mr. J. Appaji Gowda B.A., (Hons.) President).

*Constitution of the Board.*—The Board was reconstituted as per Government Notification No. L. 3606—L. B. 75-35-3, dated 15th November 1935. It consisted of 20 members, seven *ex-officio* and 13 non-official members. Of the non-official members, seven were nominated by the Kolar Gold Field Mining Board and the nominations were approved by Government. Two members were nominated by Government to represent the rural area under the Board other than Robertsonpet, Andersonpet and Oorgaum village. Two members were elected from among the rate-payers of Robertsonpet, one from Andersonpet and one from Oorgaum village.

*New Bye-Laws and Rules.*—No new bye-laws and rules were framed or introduced by the Kolar Gold Field Sanitary Board during the year of report.

*Fresh Imposts.*—No new imposts were levied during the year of report.

*Public Health, Vital Statistics and Epidemics.*—The figures under Plague, Cholera and Small-pox are given below :—

| | *1935–36* | | *1934–35* | |
|---|---|---|---|---|
| | *Attacks* | *Deaths* | *Attacks* | *Deaths* |
| Plague ... ... | 1 | 0 | 156 | 91 |
| Small-pox ... ... | 160 | 39 | 488 | 77 |
| Cholera ... ... | ... | ... | 2 | 1 |

The Kolar Gold Field Sanitary Board area was free from Plague and Cholera during the year under report. The public health was generally good.

*Vaccinations.*—There were 15,533 vaccinations including re-vaccinations as against 29,646 in the previous year. Of these, 4,553 were primary and 10,980 re-vaccinations; the number successful being 3,887 or 85·34 among the former and 3,839 or 34·96 among the latter.

*Births and Deaths.*—Four thousand three hundred and ninety births and 2,608 deaths were registered during the year of report as against 4,361 births and 2,746 deaths in the previous year.

*Infant Mortality.*—Seven hundred and thirty-one deaths among children under one year of age were reported during the year of report as against 786 deaths in the previous year, giving a death rate of 166·51 per 1,000 as against 180·23 in the previous year.

*Water-supply.*—There was a sufficient supply of water from Bethamangala filters to the Mines, Robertsonpet, Andersonpet and Masikam. The cost incurred under this head was Rs. 26,468 as against Rs. 26,573 in the previous year.

*Avenue Trees and Parks.*—The avenue trees in the Kolar Gold Field Sanitary Board area maintained by the Board are in a fairly good condition. Arrangements have been made to plant new trees in 136 pits newly dug in the year of report. The King George Hall Park and the Silver Jubilee Park at Robertsonpet were maintained in good condition.

*Principal measures, if any, sanctioned during the year.*—During the year, the Government in their Order No. L 9039-42—L. B. 21-35-34, dated 27th May 1936 sanctioned the tarring of the following roads at a cost of Rs. 61,150 :—

| | | M. | F. | Rs. |
|---|---|---|---|---|
| 1. | Krishnaraja Road ... ... | 2 | 7 | 38,790 |
| 2. | Carr Road ... ... | 1 | 2½ | 14,620 |
| 3. | Road from Robertsonpet market to P.W.D. Inspection Lodge. | 0 | 5½ | 7,740 |
| | Total ... | 4 | 6¾ | 61,150 |

The tarring of Krishnaraja Road was completed in the year of report. The tarring work of other two roads was in progress.

*Schemes Submitted to Government and under consideration.*—(i) A scheme for opening a High School in the Kolar Gold Field area at Robertsonpet was submitted to Government. The necessary plan and estimates for the construction of a High School Building at Robertsonpet at a cost of Rs. 14,480 was also submitted for sanction. The High School with only IV Form Class was opened on 15th July 1936 at Robertsonpet.

(ii) A scheme for constructing underground drains in Robertsonpet was under consideration and the Sanitary Engineer, Bureau of Sanitary Engineering, sent in an estimate for Rs. 33,000 for the purpose in the latter part of the year under report.

(iii) A scheme for effecting improvements to the Robertsonpet market both inside and in its rear was under active consideration of the Board.

(iv) A scheme for tarring with premix method Robertsonpet-Andersonpet road for a length of one mile and two furlongs at a cost of Rs. 15,580 was also under the consideration of the Board.

*General.*—The Chief Medical and Sanitary Officer, Kolar Gold Field Hospital, the Superintendents of several Mines, the Secretary, Messrs. John Taylor & Sons' Committee and the Mining Board and other non-official members of the Board, heartily co-operated as usual, in the administration of the Board.

The Second Member of Council visited the Kolar Gold Field on 3rd March 1936.